



CO₂ - PURIFICATION UNIT - System BUSE STR

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The CO₂-purification unit "System BUSE STR" serves for fine purification and for reduction of O₂-concentration in liquid CO₂ below 5 ppm(*). The unit mainly consists of a reboiler-stripping system and is especially used when a high purity of final product with low oxygen content is required. In its standard version the unit is equipped with all necessary components for a safe operation and can be integrated in any existing CO₂-plant.

GENERAL TECHNICAL DATA

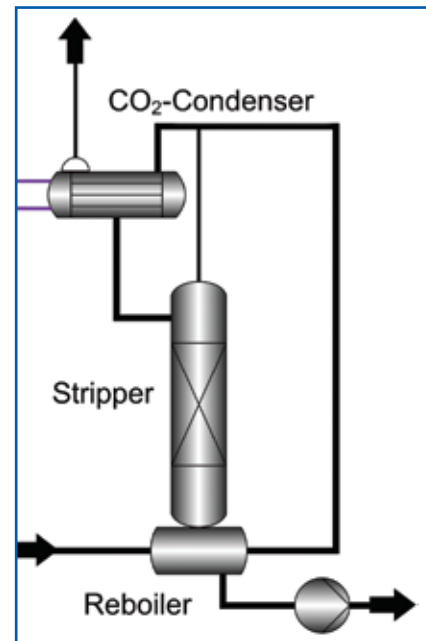
Standard sizes: (Special sizes available upon request)	STR 0500: up to 500 kg/h STR 2000: 1000 - 2000 kg/h STR 3000: up to 3000 kg/h
Medium:	CO ₂ -liquid
Final purity (CO₂ liquid, outlet purification unit):	
CO₂	99,998 Vol% [*inlet purity 99,96 Vol% , outlet CO ₂ -condenser]
O₂	< 5 ppm(v)
Max. operating pressure:	22 bar
Temperature range:	Min.: -50°C / Max.: 50°C

SCOPE OF SUPPLY (standard version)

- CO₂-reboiler (heating medium: warm CO₂-gas from process)
- CO₂-stripping-column, incl. internals and special packing material
- Insulation (PU-foam 100 mm, AL-Zn-cladding)
- CO₂-liquid-transfer pump to CO₂-storage tank, incl. capacity ontroller
- Level indicator
- Control panel
- Complete set of valves, instruments and test connections.
- Galvanized base frame

OPTIONS

- CO₂-reboiler and stripping column in stainless steel
- O₂-analyzing system for measuring of outlet purity
- Electrical heater or alternative heating media upon request
- CO₂-feed pump, incl. receiver tank and pump controller



CO₂ IS OUR WORLD...

...and has been for over 120 years. The BUSE-position on the beverage and gas-industry is characterized by a close competence chain, that has been earned over 120 years- from a German mineral water producer to a gas producer and distributor, right up to a reputable engineering and service specialist for the gases and beverage industry.

BUSE - MORE THAN 120 YEARS OF KNOWLEDGE IN CO₂-TECHNOLOGIES

BUSE Gastek GmbH & Co.KG

Sprudelstrasse 3
D-53557 Bad Honningen / Germany
Tel. +49 2635 781 0
Fax +49 2635 781 192
E-Mail: info@buse-gastek.com
www.buse-gastek.com

ISO 9001:2008
BUREAU VERITAS
Certification

